

SEQUENCE LISTING

<110> IMMUCON INC.
SULLIVAN, Robert
BÉRUBÉ, Bruno
LEGARÉ, Christine
GAUDREAU, Christian

<120> ACROSOMAL SPERM PROTEIN AND USES THEREOF

<130> 13045-2PCT FC/ld

<150> US09/090,567

<151> 1998-06-08

<160> 7

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1081

<212> DNA

<213> Artificial Sequence

<220>

<221> CDS

<222> (124)...(856)

<223> p26h cDNA

<400> 1

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agc atg aag ctg aat ttc act ggt ctc agg get ctg gtg acc ggg gca      168
  Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala
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ggg aga ggg att ggg cga ggc act gcg aaa gcc ctg cat gcc tca gga      216
Gly Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly
              20              25              30

gcc aaa gtg gtg gcc gtg tca ctc atc aac gaa gac ctg gtc agc ctg      264
Ala Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu
              35              40              45

gcc aaa gag tgt ccg ggc ata gag cct gtg tgt gtg gac ctg ggt gac      312
Ala Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp
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tgg gag gcc aca gag aag gca ctg ggc cgt att ggc ccc gtg gac ctg      360
Trp Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu
              65              70              75

ctg gtg aac aat gcg gcg gtg gcg cta gtg cag cct ttc ata cag tct      408
Leu Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser
              80              85              90              95

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 Leu Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val
 115 120 125

gca gga tcc att gtc aac atc tcc agc atg gtg gcc tat gtc acc ttc 552
 Ala Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe
 130 135 140

cct ggt ctg gcc acg tac agc tcc acc aag ggt gct ata acc atg ctg 600
 Pro Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu
 145 150 155

acc aaa gcc atg gcc atg gag ctg gga cca tac aag atc cgg gtg aac 648
 Thr Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn
 160 165 170 175

tct gta aac cct acc gtg gtg ctg act gac atg gcc aag aaa gtc tct 696
 Ser Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser
 180 185 190

gca gac ccg gaa ttt gcc aag aag ctg aag gag cgc cac cca ctg agg 744
 Ala Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg
 195 200 205

aag ttc gca gag gtg gag gac gtg gtc aac agc atc ctg ttc ctg ctg 792
 Lys Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu
 210 215 220

agc gac agc agc gcc tct acc agc ggc tct ggc atc ctg gtg gac gct 840
 Ser Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala
 225 230 235

ggt tac ctg gcc tcc t agacgggccc ggtgcagggg actcctggag acttcctggg 896
 Gly Tyr Leu Ala Ser
 240

cctcaccctt acatcaagac cccgccttca acccaaccca ataattttgt tcgaatcctg 956
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<211> 244

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<213> Artificial Sequence

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Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala Gly
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 Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly Ala
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 Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu Ala
 35 40 45

Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp Trp
 50 55 60
 Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu Leu
 65 70 75 80
 Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser Thr
 85 90 95
 Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val Leu
 100 105 110
 Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val Ala
 115 120 125
 Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe Pro
 130 135 140
 Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu Thr
 145 150 155 160
 Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn Ser
 165 170 175
 Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser Ala
 180 185 190
 Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg Lys
 195 200 205
 Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu Ser
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 Tyr Leu Ala Ser

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 <211> 912
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 <212> PRT
 <213> Artificial Sequence

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Met Glu Leu Phe Leu Ala Gly Arg Arg Val Leu
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<210> 7

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> cDNA for use as primer

<400> 7

gcaactgagc agactaggag g

21

09/719053

JC01 Rec'd PCT/PTO 07 DEC 2000

SEQUENCE LISTING

<110> Robert Sullivan et al.

<120> ACROSOMAL SPERM PROTEIN AND USES THEREOF

<130> 13045-2US-1 FC/JM

<150> US09/090,567

<151> 1998-06-08

<150> PCT/CA99/00437

<151> 1998-05-13

<160> 7

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 1081

<212> DNA

<213> Artificial Sequence

<220>

<221> CDS

<222> (124)...(856)

<223> p26h cDNA

<400> 1

gtccctggag gttggctgta ggattcaggt ggcttgcetca ggctgggac aaggacacag	60
tgagcagatc aaccttaacc tcagccctc cctcgccac aggaggacac tgggtgcagc	120
agc atg aag ctg aat ttc act ggt ctc agg gct ctg gtg acc ggg gca	168
Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala	
1 5 10 15	
ggg aga ggg att ggg cga ggc act gcg aaa gcc ctg cat gcc tca gga	216
Gly Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly	
20 25 30	
gcc aaa gtg gtg gcc gtg tca ctc atc aac gaa gac ctg gtc agc ctg	264
Ala Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu	
35 40 45	
gcc aaa gag tgt ccg ggc ata gag cct gtg tgt gtg gac ctg ggt gac	312
Ala Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp	
50 55 60	
tgg gag gcc aca gag aag gca ctg ggc cgt att gcc ccc gtg gac ctg	360
Trp Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu	
65 70 75	
ctg gtg aac aat gcg gcg gtg gcg cta gtg cag cct ttc ata cag tct	408
Leu Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser	
80 85 90 95	

acc aag gag gtc ttt gac agg tcc ttc aat gtg aat gtg cgc tct gtg 456
 Thr Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asn Val Arg Ser Val
 100 105 110

ctg caa gtg tcc cag atg gta gcc aag ggc atg att aac cgt gga gtg 504
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 115 120 125

gca gga tcc att gtc aac atc tcc agc atg gtg gcc tat gtc acc ttc 552
 Ala Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe
 130 135 140

cct ggt ctg gcc acg tac agc tcc acc aag ggt gct ata acc atg ctg 600
 Pro Gly Leu Ala Thr Tyr Ser Ser Thr Lys Gly Ala Ile Thr Met Leu
 145 150 155

acc aaa gcc atg gcc atg gag ctg gga cca tac aag atc cgg gtg aac 648
 Thr Lys Ala Met Ala Met Glu Leu Gly Pro Tyr Lys Ile Arg Val Asn
 160 165 170 175

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 Ser Val Asn Pro Thr Val Val Leu Thr Asp Met Gly Lys Lys Val Ser
 180 185 190

gca gac ccg gaa ttt gcc aag aag ctc aag gag cgc cac cca ctg agg 744
 Ala Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg
 195 200 205

aag ttc gca gag gtg gag gac gtg gtc aac agc atc ctc ttc ctg ctc 792
 Lys Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu
 210 215 220

agc gac agc agc gcc tct acc agc ggc tct ggc atc ctg gtg gac gct 840
 Ser Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala
 225 230 235

ggg tac ctg gcc tcc t agacggccca ggtgcagggg actcctggag acttcctgg 896
 Gly Tyr Leu Ala Ser
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 aaaaa 1081

<210> 2

<211> 244

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<213> Artificial Sequence

<400> 2

Met Lys Leu Asn Phe Thr Gly Leu Arg Ala Leu Val Thr Gly Ala Gly
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 Arg Gly Ile Gly Arg Gly Thr Ala Lys Ala Leu His Ala Ser Gly Ala
 20 25 30

Lys Val Val Ala Val Ser Leu Ile Asn Glu Asp Leu Val Ser Leu Ala
 35 40 45
 Lys Glu Cys Pro Gly Ile Glu Pro Val Cys Val Asp Leu Gly Asp Trp
 50 55 60
 Glu Ala Thr Glu Lys Ala Leu Gly Arg Ile Gly Pro Val Asp Leu Leu
 65 70 75 80
 Val Asn Asn Ala Ala Val Ala Leu Val Gln Pro Phe Ile Gln Ser Thr
 85 90 95
 Lys Glu Val Phe Asp Arg Ser Phe Asn Val Asr Val Arg Ser Val Leu
 100 105 110
 Gln Val Ser Gln Met Val Ala Lys Gly Met Ile Asn Arg Gly Val Ala
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 Gly Ser Ile Val Asn Ile Ser Ser Met Val Ala Tyr Val Thr Phe Pro
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 Asp Pro Glu Phe Ala Lys Lys Leu Lys Glu Arg His Pro Leu Arg Lys
 195 200 205
 Phe Ala Glu Val Glu Asp Val Val Asn Ser Ile Leu Phe Leu Leu Ser
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 Asp Ser Ser Ala Ser Thr Ser Gly Ser Gly Ile Leu Val Asp Ala Gly
 225 230 235 240
 Tyr Leu Ala Ser

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<220>
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